



IN REPLY REFER TO

CONFIDENTIAL
DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER GEODESY, INTELLIGENCE AND MAPPING
RESEARCH AND DEVELOPMENT AGENCY
FORT BELVOIR, VIRGINIA 22060

ENGGM- IN

11 August 1965

SUBJECT: Clearance for Presentation (U)

TO: (C) Chief, Plans and Programs Division
NPIC

1. (U) It is requested that the attached illustration and portion of a talk to be delivered [] Director of GIMRADA, be reviewed and approved for presentation at the Semi-Annual Meeting of the American Society of Photogrammetry in Dayton, Ohio, 22-24 September 1965 and for probable publication in Photogrammetric Engineering. The paper is titled "Problems and Progress in Processing Geographic Data". It is a short summary (15 to 20 minutes) of recent R&D activities at GIMRADA. As a consequence, no great amount of detail is included for any item mentioned in the talk.

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2. (C) The attached paragraph and illustration refer briefly to the change detector which was built by [] under contract with your organization. GIMRADA funded a feasibility study on a Change Detector with [] four years ago. Since further funds were not available at that time, we talked with personnel at NPIC, who were very much interested in the project; and NPIC signed a contract with [] for the design and fabrication of a change detector. [] of GIMRADA has been working closely with [] and others throughout this development and testing of the change detector. We are interested in indicating, in [] paper, that progress has been made in change detection and also that GIMRADA is working on the application of change detection (as a principal) to map revision.

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3. (U) The attached paragraph is the only one in the paper which refers to the Change Detector which has been built. A later paragraph refers to a study has made for GIMRADA, which is concerned with change detection as applied to map revision problems. Several possible designs have been proposed which have no physical resemblance to the existing Change Detector since the map revision change detector requires the capability to transfer data accurately from the comparative coverage to a map. The functional similarity is also remote since optical and stereo techniques were used.

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FOR THE DIRECTOR:



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2 Incl

1. Excerpt fm paper
2. Photo

Acting Chief, Intelligence Division

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MEMORANDUM FOR: *Jim H.*

*Check with security and
see if they will give
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P

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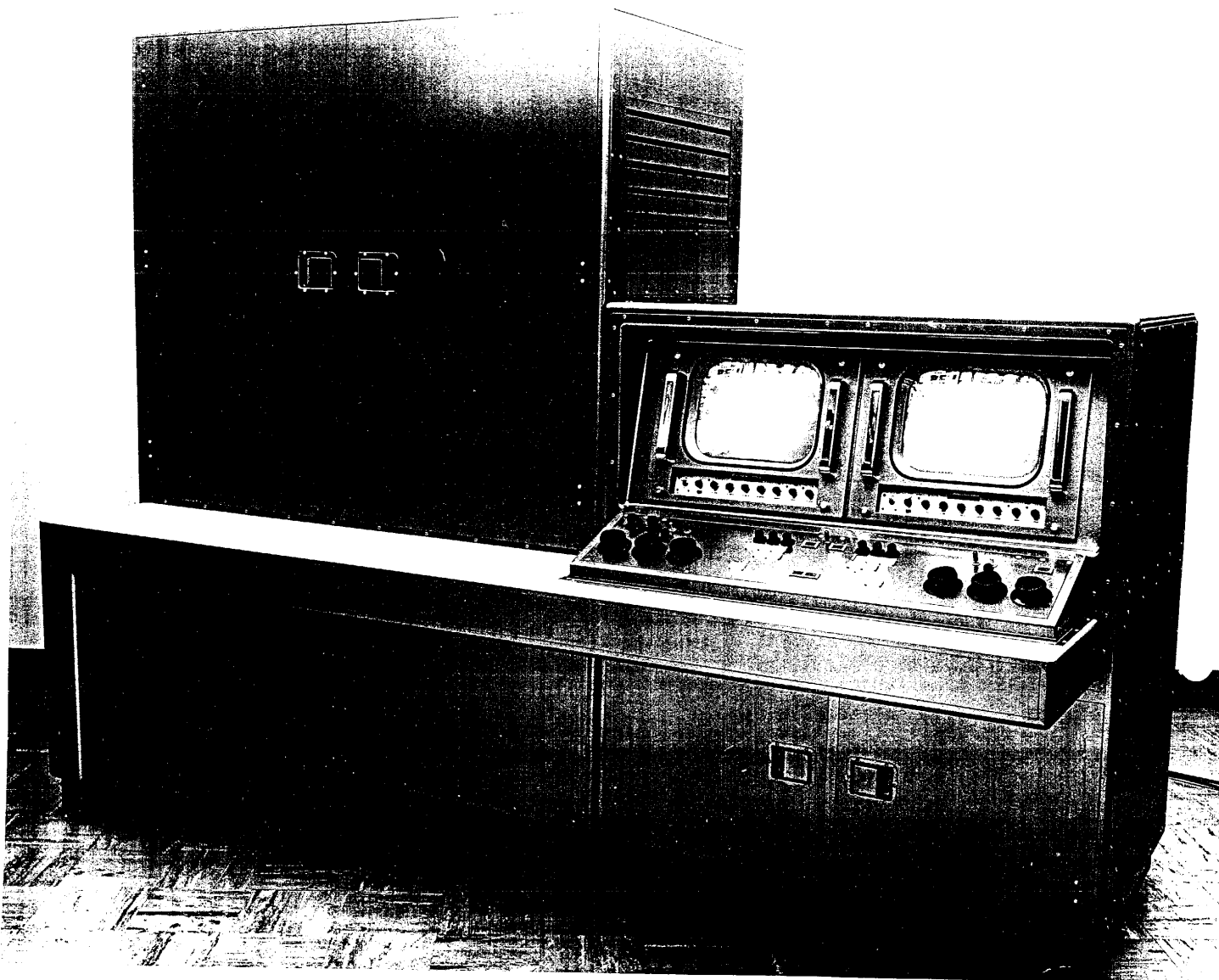
(47)

Paragraph on the Change Detector for clearance in paper to be presented
Director of GIMRADA:

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We have recognized the tremendous efficiency of the photo image as a storage medium and the problem of redundancy which it brings with it. Hence, a working Change Detector has been designed and fabricated, which can eliminate redundancy of information. Here it is shown on slide 1. It can hold comparative coverage taken at different times and prominently display the differences - the changes. After all, is this not all we need know in planning for executing map revisions? And since we already have much geographic data for any part of the world you might mention, the question is almost always "What's new?".

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